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2 LITERATURE REVIEW PAGE

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LIST OF SYMBOLS

a	-	Width of Strips
a_v	-	Coefficient of Compressibility
BH	-	Borehole
B	-	Width
B,t	-	Thickness of Strips
C	-	Compressibility coefficient
CPT	-	Cone Penetration Test
$C_{a\varepsilon}$	-	Modified of Secondary Compression Index
C_α	-	Rate of Secondary Compression
C_c	-	Compression Index
c_h	-	Coefficient of consolidation in Horizontal Direction
CR	-	Compression Ratio
C_r	-	Recompression Index
C_u	-	Undrained Cohesion of Soil
c_v	-	Coefficient of Consolidation in Vertical Direction
d_w	-	Equivalent diameter of prefabricated vertical drain
E	-	Young Modulus
E_u	-	Undrained Modulus
e	-	Void ratio
e_0	-	Initial void ratio
e_1	-	Final void ratio
G	-	Shear Modulus

Gs	-	Specific Gravity
H	-	Thickness of the Compressible Layer
H_d	-	Length of Drainage Path
I_p, α	-	Influence Factor
I_p	-	Plasticity Index
I_r	-	Rigidity Index
k	-	Coefficient of Permeability
k_h	-	Horizontal Coefficient of Permeability
k_s	-	Permeability of Smeared Zone
k_v	-	Vertical Coefficient of Permeability
LL	-	Liquid Limit
n	-	Ratio of D/d
m_v	-	Coefficient of Volume Compressibility
OCR	-	Over-Consolidated Ratio
p	-	Pressure
PI	-	Plastic Index
PVD	-	Prefabricated Vertical Drains
q	-	Extra surcharge
q_c	-	Cone Resistant
q_u	-	Unconfined compression Strength
r	-	Radius
RR	-	Recompression Ratio
s	-	Drain Spacing
S_c	-	Primary Consolidation Settlement
S_i	-	Settlement Reading, Immediate Settlement
S_{i-1}	-	Preceding Settlement
S_f	-	Final Settlement
S_s	-	Secondary Compression Settlement or Creep
$SPT\text{-}N$	-	Value of Standard Penetration Test
s_u	-	Undrained shear strength
t	-	Time

t	-	Time of consolidation
t_f	-	Time of Interest for Secondary Consolidation
t_p	-	Time of The Beginning of Secondary Consolidation
T_h	-	Time factor for Horizontal Drainage
T_r	-	Time factor for Radial Drainage
T_v	-	Time Factor
UTHM	-	Universiti Teknologi Tun Hussein Onn Malaysia
U	-	Degree of Consolidation
U_e	-	Excess Pore Water Pressure
U_r	-	Average Degree of Consolidation Ratio for Radial Drainage
U_v	-	Average Degree of Consolidation Ratio for Vertical Drainage
U_{vr}	-	Average Degree of Consolidation Ratio for Combined Vertical and Radial Drainage
v	-	Poisson's Ratio
W_L	-	Liquid Limit
W_n	-	Natural Water Content
z	-	Depth
α	-	Constant Which Depends on The Spacing Ratio of The Vertical Drain
Δe	-	Change in Void Ratio
Δp	-	Change in Stress
$\Delta\sigma'$	-	Change in Effective Stress
σ'_0	-	Initial Effective Stress or Existing Overburden Pressure
σ_c'	-	Pre-consolidation Pressure
γ_w	-	Water Unit Weight

LIST OF APPENDICES